ground spares are at the applicant's risk that launch authorization will not be granted by the Commission.

(f) Each applicant found to be qualified pursuant to this section may be assigned no more than one additional orbital location beyond its current authorizations in each frequency band in which it is authorized to operate, provided that its in-orbit satellites are essentially filled and that it has no more than two unused orbital locations for previously authorized but unlaunched satellites in that band.

(g) In the event that one or more applications satisfying the requirements of this section are ready for grant, any orbital location occupied by a satellite that is determined to be a part of a system that is not essentially filled may be cancelled and collocation of in-orbit satellites may be required. The Commission may take this action if, in so doing, it would allow the grant of pending applications that satisfy the requirements of this section. If a cancellation is made, the licensee will be afforded a period of 30 days to notify the Commission which of its assigned locations should be cancelled.

[62 FR 5929, Feb. 10, 1997]

§ 25.141 Licensing provisions for the radiodetermination satellite service.

(a) *Space station application requirements.* Each application for a space station license in the radiodetermination satellite service shall describe in detail the proposed radiodetermination satellite system, setting forth all pertinent technical and operational aspects of the system, including its capability for providing and controlling radiodetermination service on a geographic basis, and the technical, legal and financial qualifications of the applicant. In particular, each application shall include the information specified in Appendix B of Space Station Application Filing Procedures, 93 FCC 2d 1260, 1265 (1983), except that in lieu of demonstrating compliance with item II.F (two degree spacing), applicants are required to demonstrate compatibility with licensed satellite systems in the same frequency band. Applicants must also file information demonstrating compliance with all requirements of this section, specifically including information demonstrating how the applicant has complied or plans to comply with the requirements of paragraph (f) of this section.

(b) Space station application procedures. Each application for a space station in the radiodetermination satellite service shall be placed on public notice for 60 days, during which time interested parties may file comments and petitions related to the application. A 60 day cut-off period shall also be established for the filing of applications to be considered in conjunction with an original application.

(c) User transceivers. Individual user transceivers will not be licensed. Service vendors may file blanket applications for transceiver units using FCC Form 312, Main Form and Schedule B, and specifying the number of units to be covered by the blanket license. Each application must demonstrate that transceiver operations will not cause interference to other users of the spectrum.

(d) Permissible communications. Stations in this service are authorized to render radiodetermination service, and may not render other services except as ancillary to the radiodetermination service.

(e) Frequency allocation policies. Each radiodetermination satellite service licensee will be assigned the entire allocated frequency bands on a non-exclusive basis. Coding techniques and power limits as set forth in paragraph (f) of this section and orbital spacing shall be employed to avoid harmful interference with other radiodetermination satellite service systems.

(f) *Radiodetermination satellite service.* Licenses shall coordinate with radiodetermination satellite system licensees to avoid harmful interference to other radiodetermination satellite systems through:

(1) Power flux density limits;

(2) Use of pseudorandom-noise codes (for both the satellite-to-user link and for the user-to-satellite link); and

(3) Random access, time division multiplex techniques.

Licensees shall coordinate with 1.6/2.4 GHz Mobile-Satellite Service system licensees to avoid interference to 1.6/2.4 GHz Mobile-Satellite Service systems.

(g) License conditions. All authorizations in the radiodetermination satellite service shall be subject to the policies set forth in the Report and Order, including compliance with appendix D, and the Second Report and Order in General Docket Nos. 84–689 and 84–690 and to any policies and rules the Commission may adopt at the later date.

[56 FR 24016, May 28, 1991, as amended at 59 FR 53327, Oct. 21, 1994; 62 FR 5930, Feb. 10, 1997]

§ 25.142 Licensing provisions for the non-voice, non-geostationary mobile-satellite service.

(a) *Space station application requirements.* (1) Each application for a space station system authorization in the non-voice, non-geostationary mobile-satellite service shall describe in detail the proposed non-voice, non-geostationary mobile-satellite system, setting forth all pertinent technical and operational aspects of the system, and the technical, legal, and financial qualifications of the applicant. In particular, each application shall include the information specified in § 25.114, except that in lieu of the information concerning orbital locations requested in § 25.114(c)(6), the applicant shall specify the number of space stations and applicable information relating to the altitude(s), argument(s) of perigee, service arc(s), right ascension of ascending node(s), eccentricity, and inclination of the space stations (all referenced to the same time) that will comprise its system. Applicants must also file information demonstrating compliance with all requirements of this section, and showing, based on existing system information publicly available at the Commission at the time of filing, that they will not cause unacceptable interference to any non-voice, non-geostationary mobile-satellite service system authorized to construct or operate.

(2) Applicants for a non-voice, non-geostationary mobile-satellite must identify the power flux density produced at the Earth's surface by each space station of their system in the frequency bands 137–138 MHz and 400.15–401 MHz, to allow determination of whether coordination with terrestrial services is required under international footnotes 599A and 647B of § 2.106 of the Commission's Rules. In addition, applicants must identify the measures they would employ to protect the radio astronomy service in the 150.05–153 MHz and 406.1–410 MHz bands from harmful interference from unwanted emissions.

(3) Emission limitations. (i) Applicants in the non-voice, non-geostationary mobile-satellite service shall show that their space stations will not exceed the emission limitations of § 25.202(f) (1), (2) and (3), as calculated for a fixed point on the Earth's surface in the plane of the space station's orbit, considering the worst-case frequency tolerance of all frequency determining components, and maximum positive and negative Doppler shift of both the uplink and downlink signals, taking into account the system design.

(ii) Applicants in the non-voice, non-geostationary mobile-satellite service shall show that no signal received by their satellites from sources outside of their system shall be retransmitted with a power flux density level, in the worst 4 kHz, higher than the level described by the applicants in paragraph (a)(2) of this section.

(4) Financial qualifications. Each applicant for space station system authorization in the non-voice, non-geostationary mobile-satellite service must demonstrate, on the basis of the documentation contained in its application, that it is financially qualified to proceed expeditiously with the construction, launch and operation for one year of the first two space stations of its proposed system immediately upon grant of the requested authorization. Failure to make such a showing will result in the dismissal of the application. This showing shall include all information described in § 25.140 (c), (d) and (e).

(5) Replacement of space stations within the system license term. The licensee need not file separate applications to construct, launch and operate technically identical replacement satellites within the term of the system authorization. However, the licensee shall certify to the Commission, at least thirty days prior to launch of such replacement(s) that: